Applicant: Georgopoulos et al.

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- (Amended) The method of claim 18, wherein the mammal is immunized with [an] 22. the antigen.
- 23. The method of claim 22, wherein the antigen is poorly antigenic in wild type animals.
- 24. (Amended) The method of claim 22, wherein the antigen has at least 90% homology between the first and second species as determined using the ALIGN program with a PAM120 weight residue table, a gap length penalty of 12, and a gap penalty of 4 or using XBLAST with default parameters, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.
  - 25. The method of claim 18, wherein the antibody is an IgG antibody.
- 26. The method of claim 18, the mammal carries homozygous null mutations at the Aiolos gene.
- 27. (Amended) The method of claim 18, the method further comprises isolating one or more hematopoietic cells from the mammal and isolating the antibody therefrom.
- (Amended) The method of claim 18, [a] the hematopoietic cell from the animal is 28. fused with a second cell to provide a hybridoma and the antibody is isolated from the hybridoma.
- 29. (Amended) A method of obtaining an antibody comprising: providing a mouse having a cell which is homozygous for null or underexpressing mutations at the Aiolos locus and having an antigen; and isolating an antibody against the antigen from the animal, to thereby obtain an antibody.
  - 30. The method of claim 29, wherein the mouse is an Aiolos transgenic mouse.
- 31. (Amended) The method of claim 29, wherein the antigen [antibody] is [directed to] an autoantigen.



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32. (Amended) The method of claim 29, wherein the mammal is immunized with [an] the antigen.

- The method of claim 32, wherein the antigen is poorly antigenic in wild type 33. animals.
- (Amended) The method of claim 32, wherein the antigen has at least 90% 34. homology between the first and second species as determined using the ALIGN program with a PAM120 weight residue table, a gap length penalty of 12, and a gap penalty of 4 or using XBLAST with default parameters, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.
- (Amended) A\method of obtaining a monoclonal antibody, comprising: 35. providing a mouse having a cell which is homozygous for null or underexpressing mutations at the Aiolos locus an having an antigen;

isolating a hematopoietid cell from the animal; and isolating an antibody against the antigen from the hematopoietic cell or a derivative of the cell, to thereby obtain an antibody.\

- 36. The method of claim 35, wherein the derivative is a hybridoma.
- 37. The method of claim 35, wherein the cell is a lymphocyte.
- 38. The method of claim 35, wherein the mouse is an Aiolos transgenic mouse.
- 39. (Amended) The method of claim 35, wherein the antigen [antibody] is [directed to] an autoantigen.
- 40. (Amended) The method of claim 35, wherein the mammal is immunized with [an] the antigen.
- 41. The method of claim 35, wherein the antigen is poorly antigenic in wild type animals.